

### AMENDMENTS TO THE ABSTRACT

Please amend the Abstract now appearing in the currently filed specification as follows:

~~It is an object to provide a time domain pulsed spectroscopy apparatus in which time domain pulsed spectroscopy of multiple samples, states thereof, and so on can be carried out easily and in a short period of time. A time-domain pulsed spectroscopy apparatus of the present invention comprises~~ which has a pulsed laser light source; a splitting unit ~~configured to split pulsed laser light from the pulsed laser light source into excitation pulsed laser light and detection pulsed laser light;~~ a pulsed-light emitting unit; a detector; a sample holder ~~configured to hold the sample;~~ and a sample-unit entrance and exit optical systems ~~configured to guide the pulsed light from the pulsed-light emitting unit to the sample and to guide to the detector pulsed light reflected from or transmitted through the sample due to the irradiation;~~ wherein the time-domain pulsed spectroscopy apparatus further comprises: at least one optical-path-length varying unit for setting a photometric range, ~~disposed in an incident side optical path from the splitting unit to the pulsed-light emitting unit and/or in a detection side optical path from the splitting unit to the detector;~~ and at least one optical delay unit for the wave form signal measurement;; ~~disposed in the incident side optical path from the splitting unit to the pulsed-light emitting unit and/or in the detection side optical path from the splitting unit to the detector~~ and, at least one gate member to pass or block the pulsed light to a reflector.